

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
 Data File : BF109823.D
 Acq On : 12 Oct 2018 9:00
 Operator : JU/SJ
 Sample : J5296-15
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 12 10:36:46 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

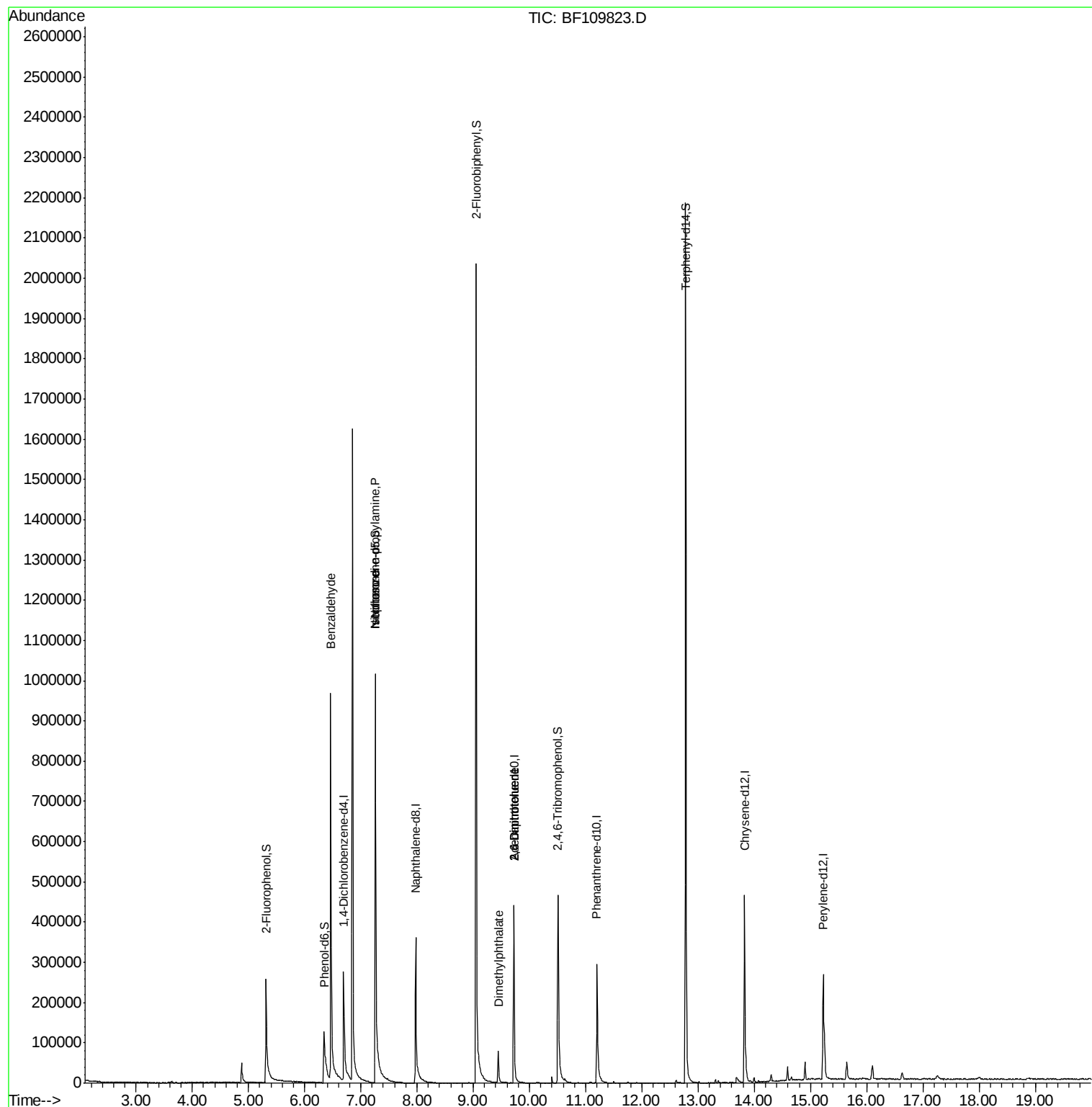
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	71054	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	275857	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	108473	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	197791	20.00	ng	0.00
75) Chrysene-d12	13.83	240	222369	20.00	ng	0.00
86) Perylene-d12	15.23	264	160070	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	135261	33.79	ng	-0.01
7) Phenol-d6	6.35	99	134401	25.13	ng	-0.01
23) Nitrobenzene-d5	7.26	82	504251	100.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	95097	80.46	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	850359	107.97	ng	0.00
78) Terphenyl-d14	12.78	244	857697	74.67	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	7288	2.118	ng	# 72
19) n-Nitroso-di-n-propylamine	7.26	70	64663	17.243	ng	# 78
25) Isophorone	7.26	82	504251	60.680	ng	# 67
49) Dimethylphthalate	9.45	163	49915	6.274	ng	# 99
50) 2,6-Dinitrotoluene	9.72	165	12887	7.473	ng	# 21
56) 2,4-Dinitrotoluene	9.72	165	12887	5.988	ng	# 17

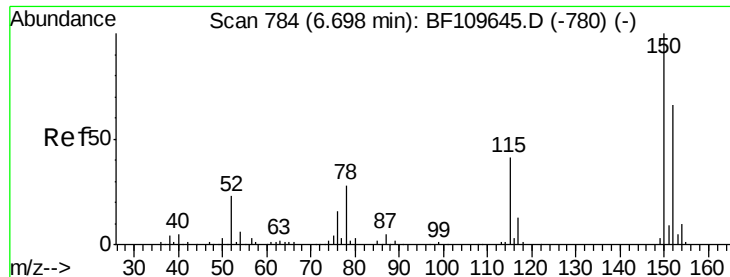
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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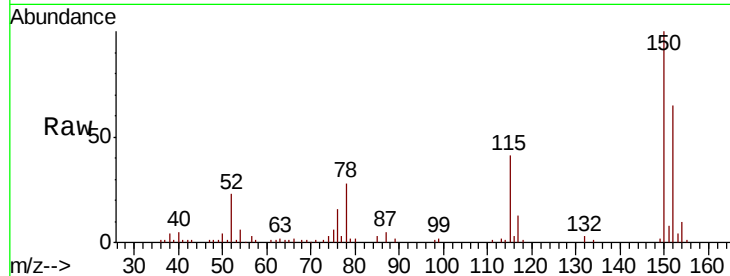


#1

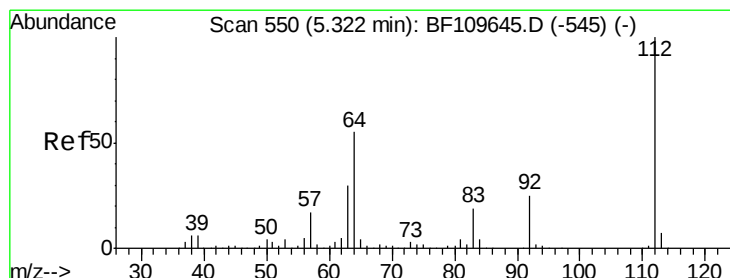
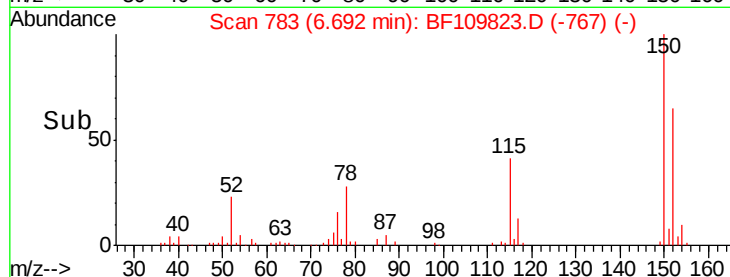
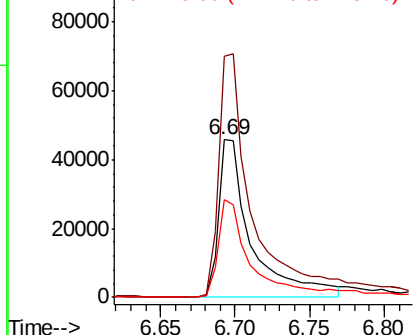
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109823.D
Acq: 12 Oct 2018 9:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 71054
Ion Ratio Lower Upper
152 100
150 152.8 122.7 184.1
115 61.9 49.1 73.7



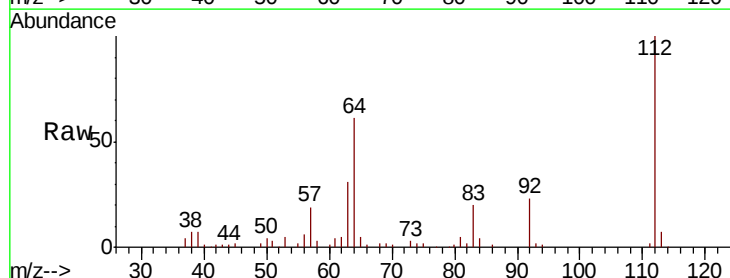
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



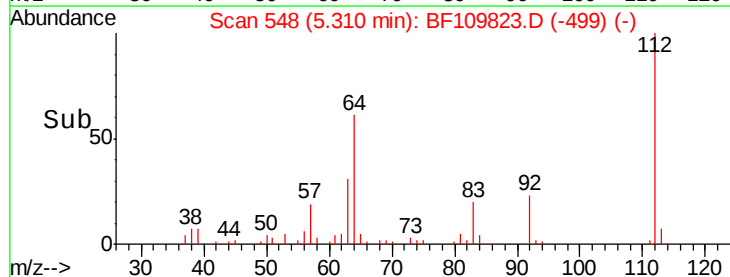
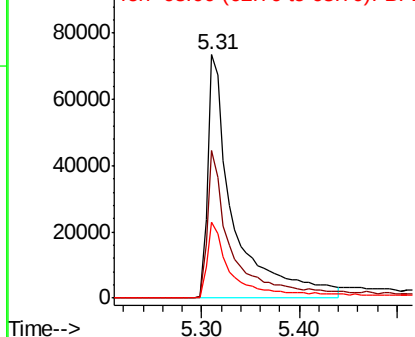
#5

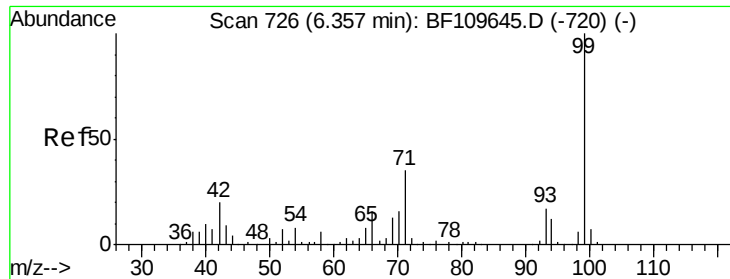
2-Fluorophenol
Concen: 33.790 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109823.D
Acq: 12 Oct 2018 9:00

Tgt Ion:112 Resp: 135261
Ion Ratio Lower Upper
112 100
64 60.7 44.1 66.1
63 31.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 25.133 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109823.D

Acq: 12 Oct 2018 9:00

Instrument :

BNA_F

ClientSampleId :

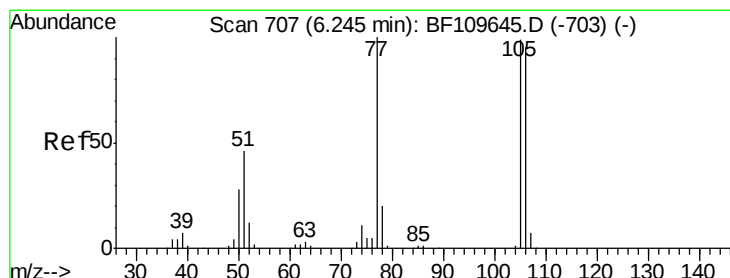
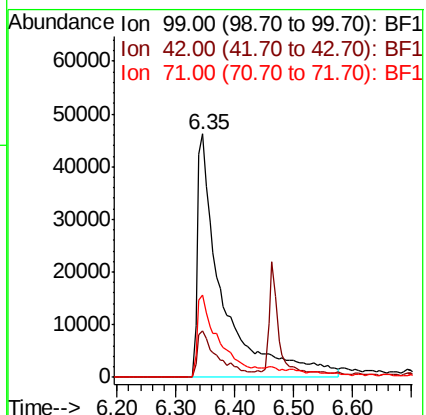
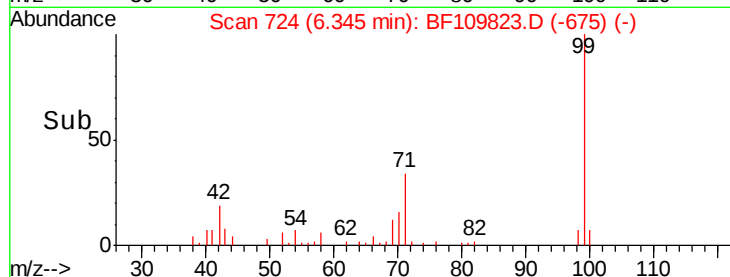
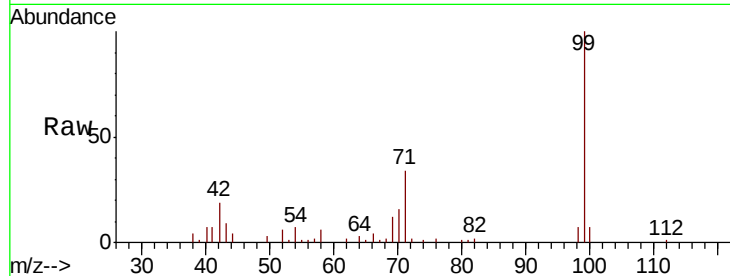
Tot Ion: 99 Resp: 134401

Ion Ratio Lower Upper

99 100

42 18.9 15.8 23.6

71 33.9 28.0 42.0



#9

Benzaldehyde

Concen: 2.118 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.22 min

Lab File: BF109823.D

Acq: 12 Oct 2018 9:00

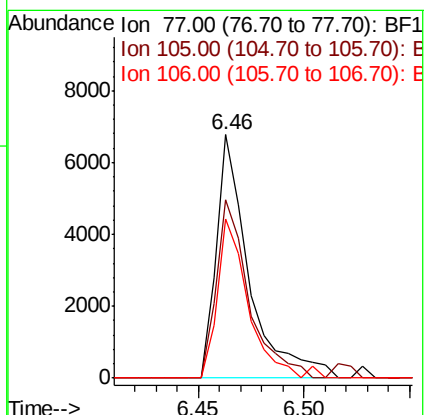
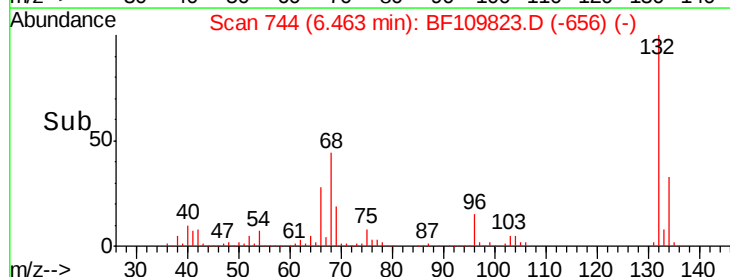
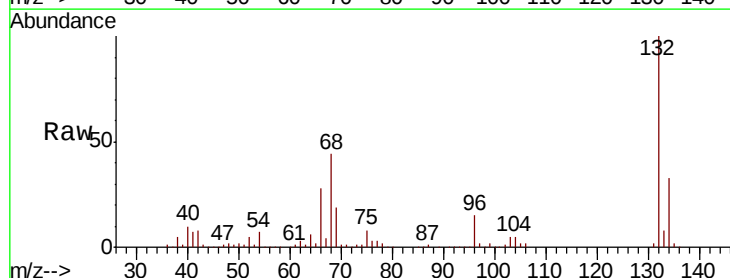
Tgt Ion: 77 Resp: 7288

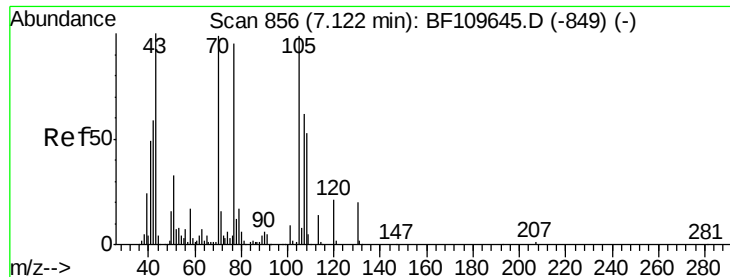
Ion Ratio Lower Upper

77 100

105 73.2 78.6 118.6#

106 65.5 74.8 114.8#





#19

n-Nitroso-di-n-propylamine

Concen: 17.243 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF109823.D

Acq: 12 Oct 2018 9:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 64663

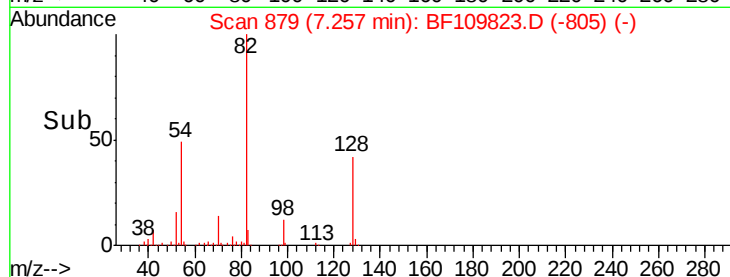
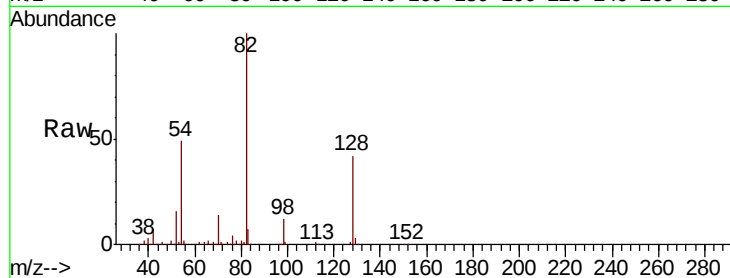
Ion Ratio Lower Upper

70 100

42 48.0 47.4 71.2

101 0.0 7.3 10.9#

130 2.1 16.2 24.2#

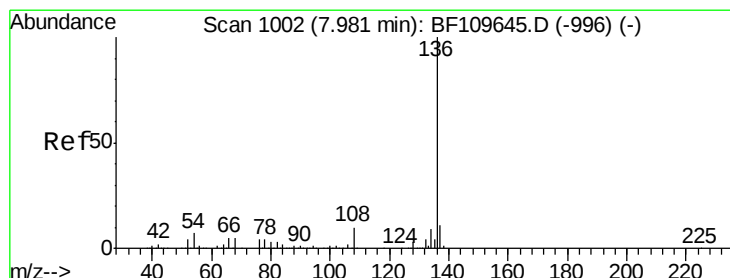
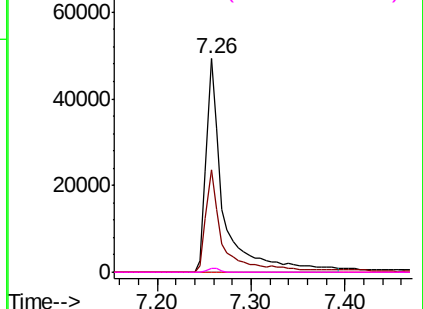


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109823.D

Acq: 12 Oct 2018 9:00

Tgt Ion: 136 Resp: 275857

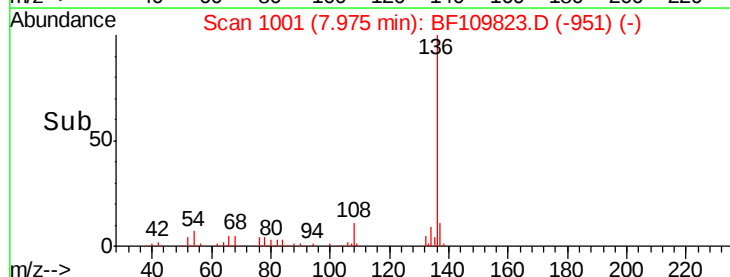
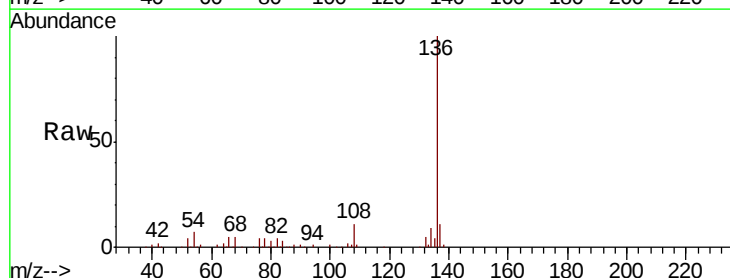
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 7.5 5.4 8.2

68 5.3 4.2 6.2

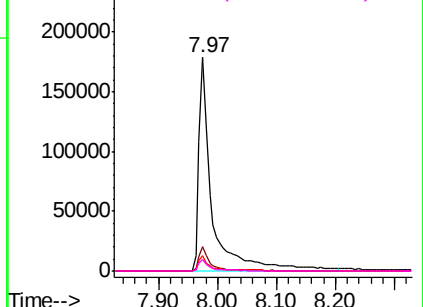


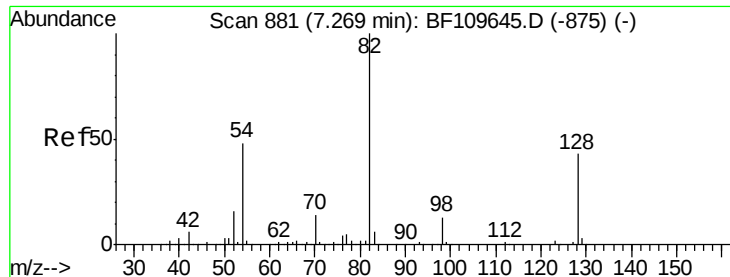
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

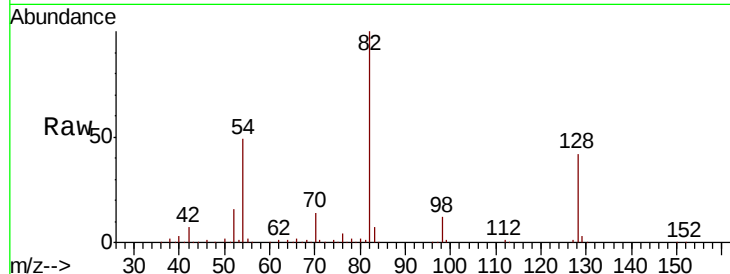




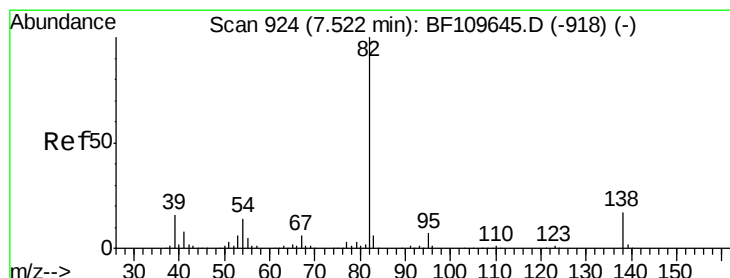
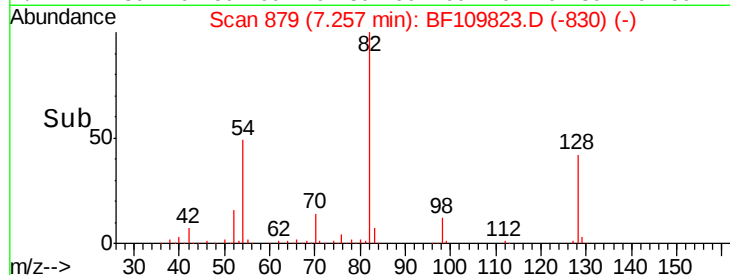
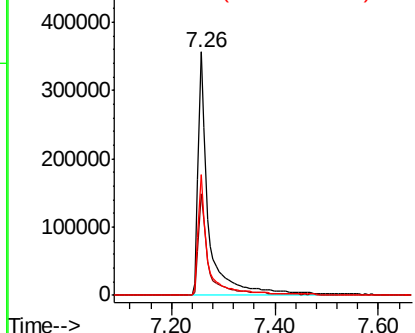
#23
Nitrobenzene-d5
Concen: 100.762 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF109823.D
Acq: 12 Oct 2018 9:00

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	34.2	51.2
54	49.4	38.6	58.0

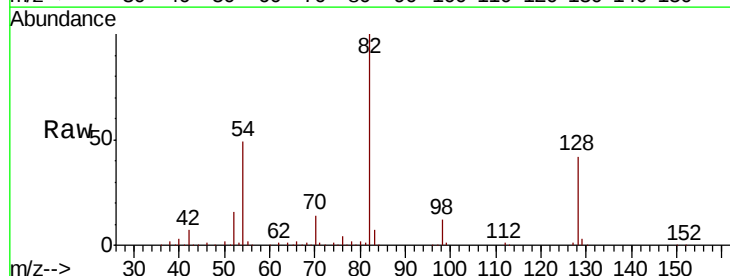


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

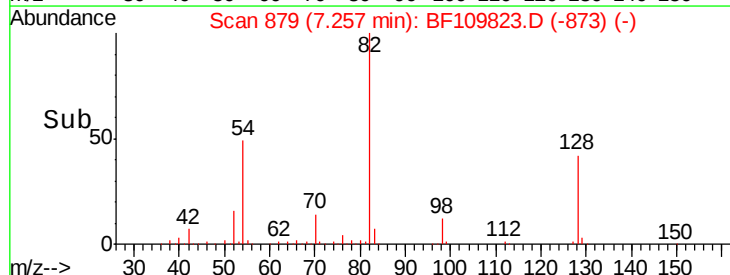
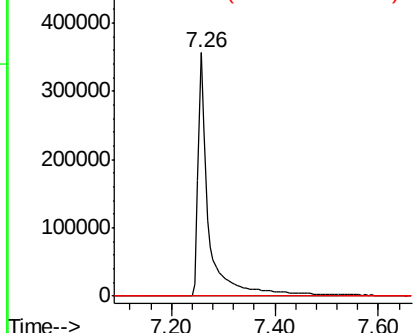


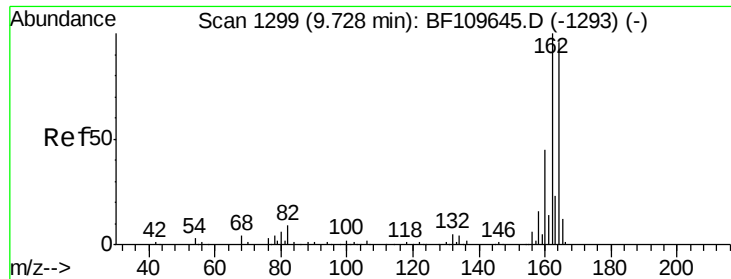
#25
Isophorone
Concen: 60.680 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.26 min
Lab File: BF109823.D
Acq: 12 Oct 2018 9:00

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

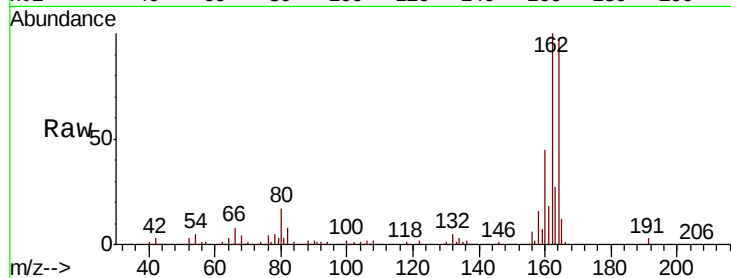




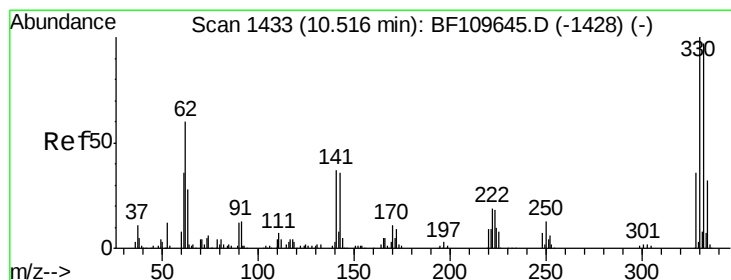
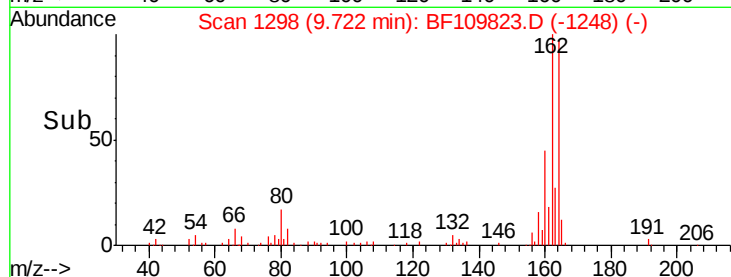
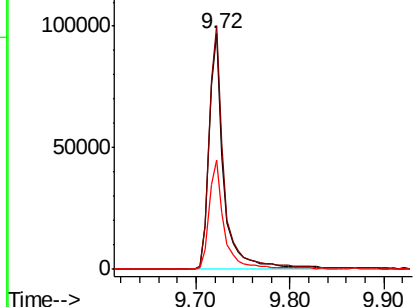
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF109823.D
 Acq: 12 Oct 2018 9:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 108473
 Ion Ratio Lower Upper
 164 100
 162 103.4 83.0 124.6
 160 46.5 37.0 55.6

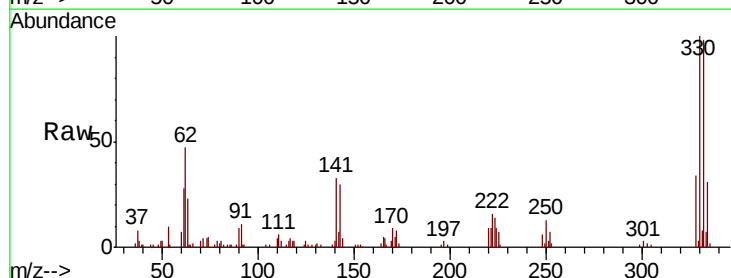


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

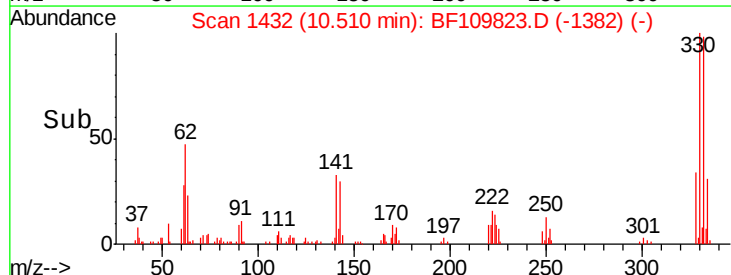
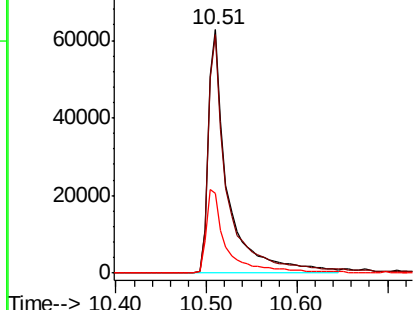


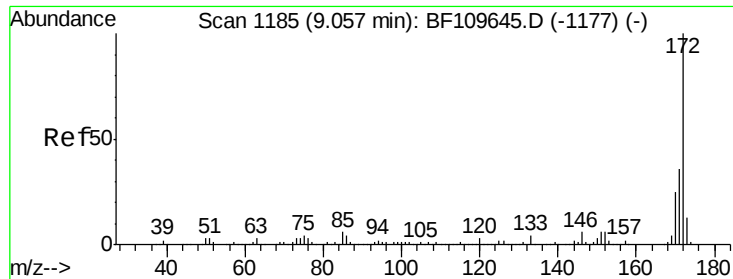
#41
 2,4,6-Tribromophenol
 Concen: 80.459 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109823.D
 Acq: 12 Oct 2018 9:00

Tgt Ion:330 Resp: 95097
 Ion Ratio Lower Upper
 330 100
 332 98.1 77.1 115.7
 141 36.1 27.0 40.4



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

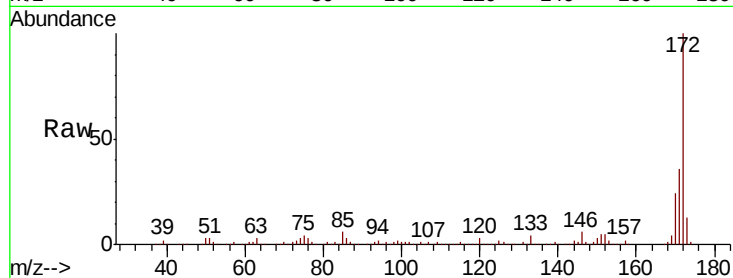




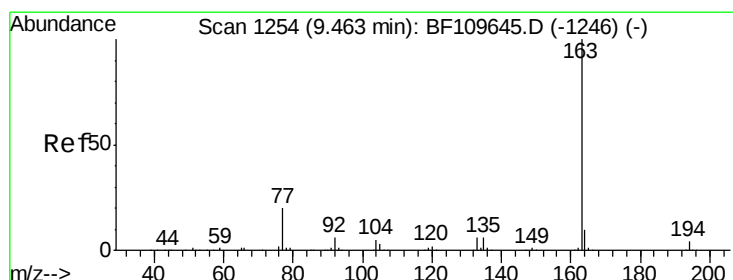
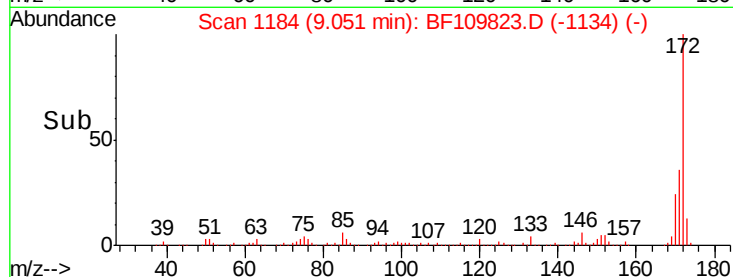
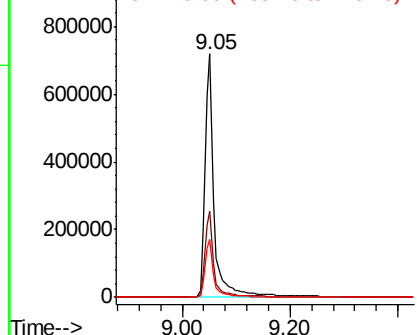
#44
2-Fluorobiphenyl
Concen: 107.968 ng
RT: 9.05 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BF109823.D
Acq: 12 Oct 2018 9:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 850359
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 23.9 19.7 29.5

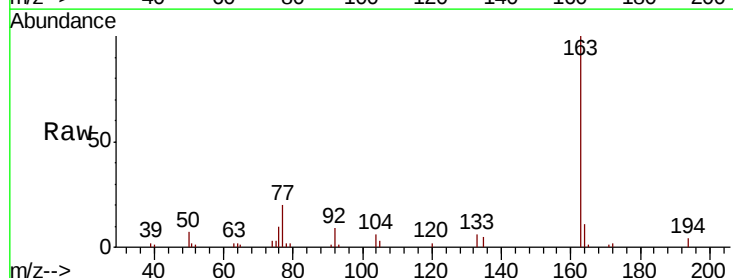


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

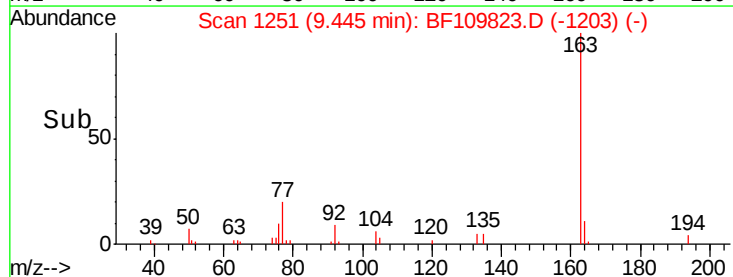
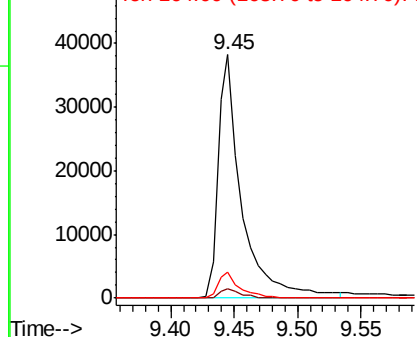


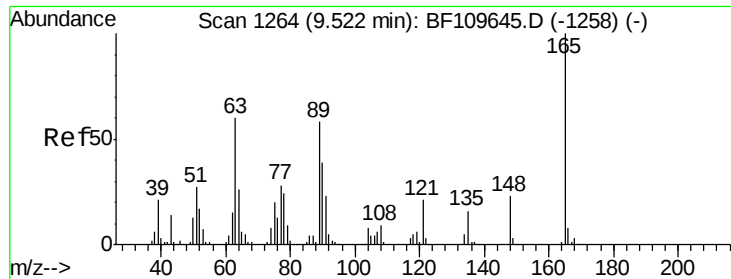
#49
Dimethylphthalate
Concen: 6.274 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109823.D
Acq: 12 Oct 2018 9:00

Tgt Ion:163 Resp: 49915
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 10.8 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

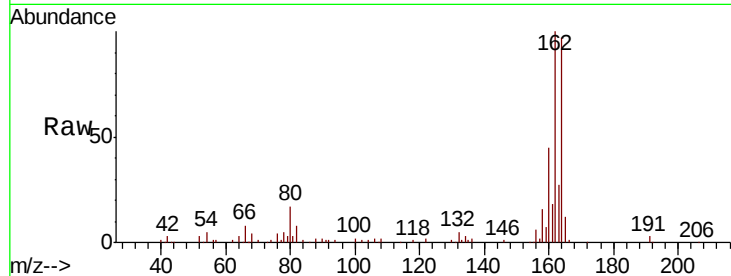




#50
2,6-Dinitrotoluene
Concen: 7.473 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.20 min
Lab File: BF109823.D
Acq: 12 Oct 2018 9:00

Instrument :
BNA_F
ClientSampleId :

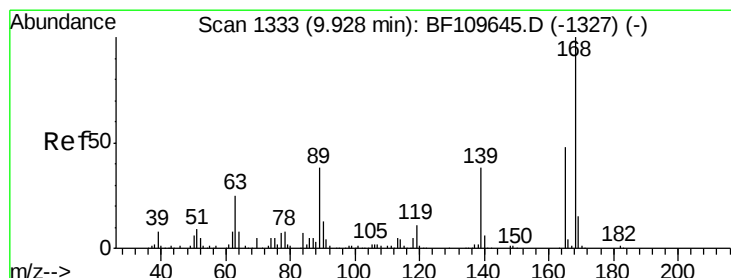
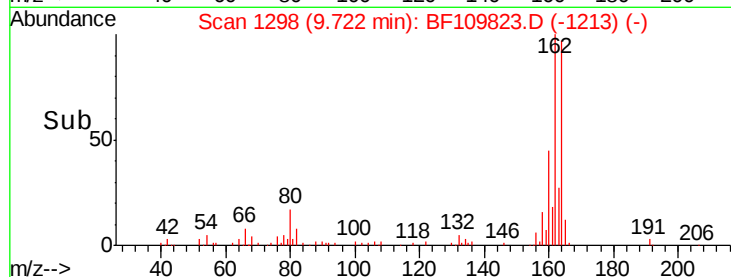
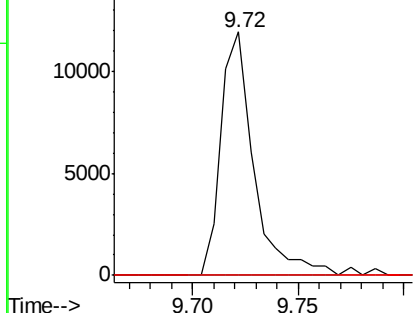
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	0.0	46.6	69.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
2,4-Dinitrotoluene
Concen: 5.988 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.21 min
Lab File: BF109823.D
Acq: 12 Oct 2018 9:00

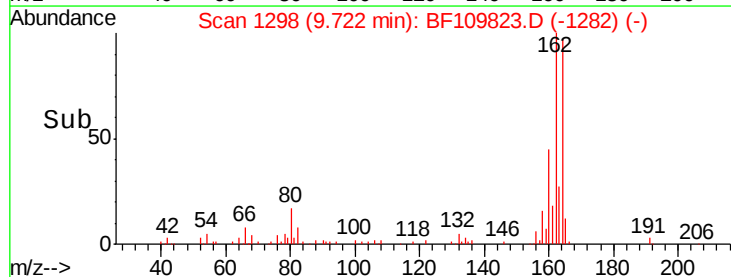
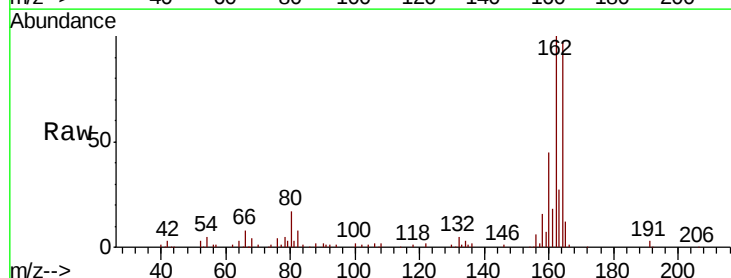
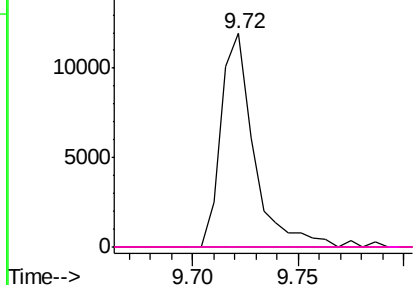
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#

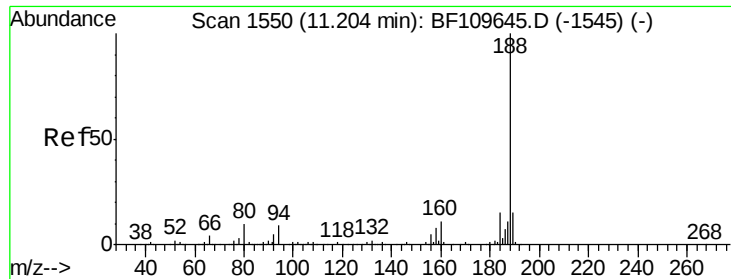
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF109823.D

Acq: 12 Oct 2018 9:00

Instrument :

BNA_F

ClientSampleId :

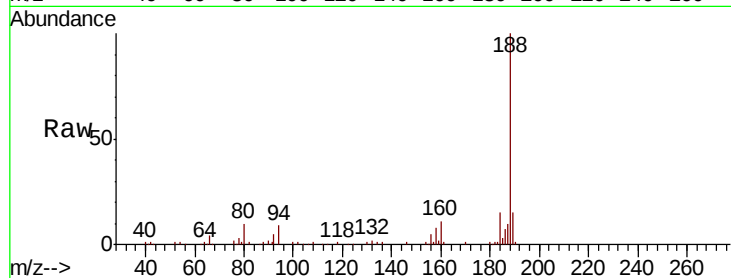
Tot Ion:188 Resp: 197791

Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

80 9.8 7.9 11.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

150000

100000

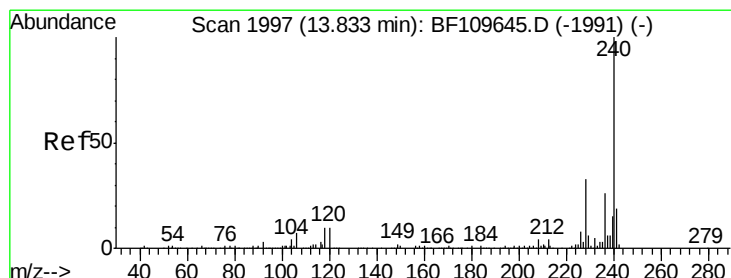
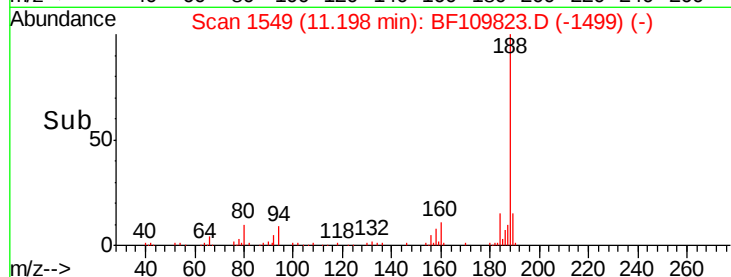
50000

0

11.20

11.40

Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109823.D

Acq: 12 Oct 2018 9:00

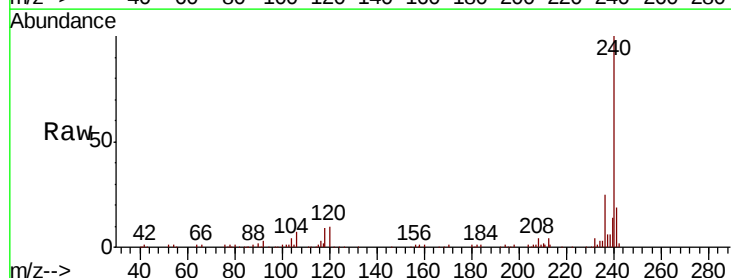
Tgt Ion:240 Resp: 222369

Ion Ratio Lower Upper

240 100

120 10.3 8.3 12.5

236 25.4 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

200000

150000

100000

50000

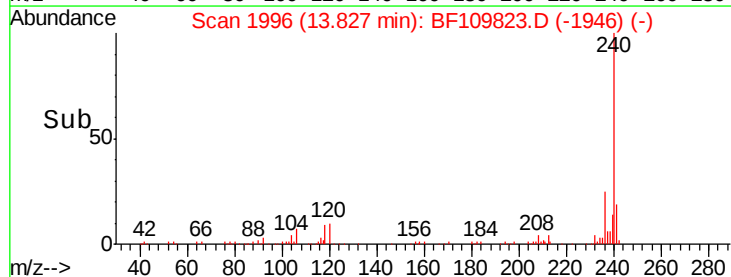
0

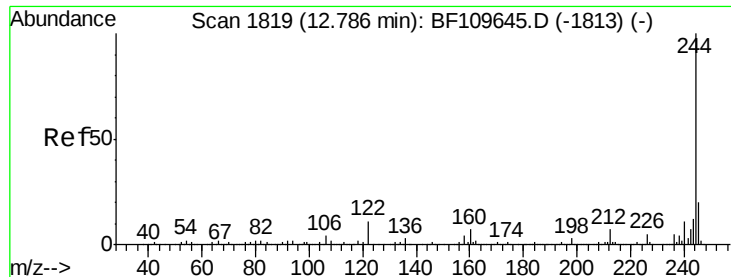
13.83

13.90

14.00

Time-->





#78

Terphenyl-d14

Concen: 74.667 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF109823.D

Acq: 12 Oct 2018 9:00

Instrument :

BNA_F

ClientSampleId :

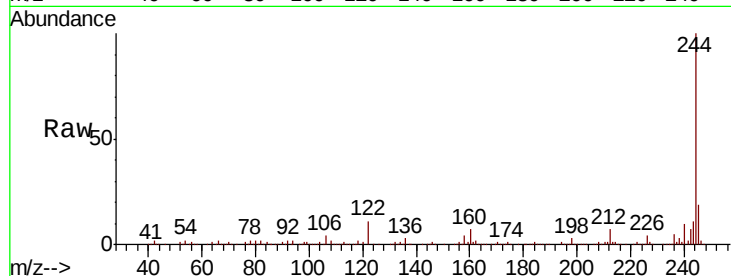
Tot Ion:244 Resp: 857697

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

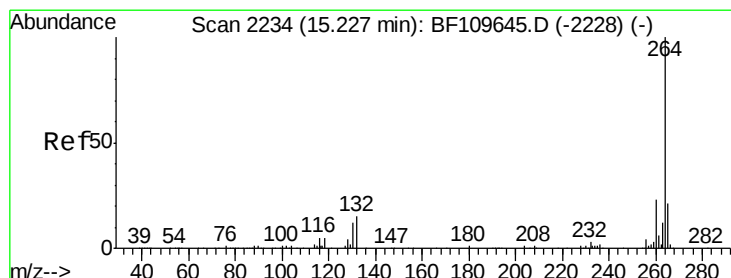
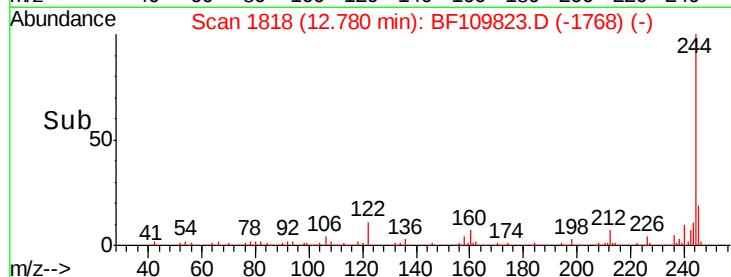
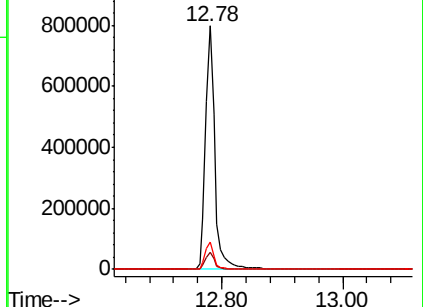
122 11.3 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2234

Delta R.T. 0.00 min

Lab File: BF109823.D

Acq: 12 Oct 2018 9:00

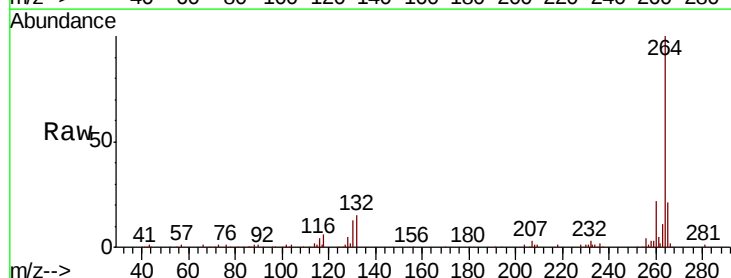
Tgt Ion:264 Resp: 160070

Ion Ratio Lower Upper

264 100

260 22.4 18.7 28.1

265 20.7 16.7 25.1



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

